

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



MATERIAL SAFETY DATA SHEET

CALCIUM BENZOATE MICRONISED

1. Identification of the Substance Mixture and of the Company Undertaking

Field	Information
Product Name	CALCIUM BENZOATE MICRONISED
Chemical Name	Calcium benzoate
CAS Number	2090-05-3
Relevant Identified Uses	Ingredient in PVC and PE/PVC stabilizer systems; polypropylene nucleating agent
Uses Advised Against	Uses requiring a separately established regulatory approval
Supplier	Polymer Add (Thailand) Co., Ltd.
Office Address	106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250
Factory Address	188/3, Moo 8, Bangpu Mai, Muang Samut Prakan, Samut Prakan, Thailand 10280
Mobile Thai	0804531391
Mobile English	0839415475
Email	contact@polymeradd.co.th

2. Hazards Identification

Field	Description
GHS Classification	Not classified as hazardous on available calcium benzoate substance information
Signal Word	None required
Hazard Pictogram	None required
Hazard Statement	None required
Precautionary Statement	Avoid breathing airborne powder and contact with eyes
Disposal Statement	Dispose of contents and packaging according to applicable requirements
Other Hazards	Micronised dust may cause temporary mechanical eye or respiratory irritation

3. Composition Information on Ingredients

Substance	CAS Number	EC Number	Concentration
Calcium benzoate	2090-05-3	218-235-4	According to the supplied grade specification

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



4. First Aid Measures

- **General advice:** Remove the affected person from exposure. Obtain medical advice if symptoms persist.
- **Inhalation:** Move to fresh air. Seek medical advice if coughing or breathing discomfort continues.
- **Skin contact:** Wash with soap and water.
- **Eye contact:** Rinse cautiously with water for several minutes. Seek medical advice if irritation persists.
- **Ingestion:** Rinse mouth. Seek medical advice if unwell.
- **Most important symptoms:** Powder may cause temporary mechanical irritation.

5. Firefighting Measures

- **Suitable extinguishing media:** Use media appropriate for the surrounding fire.
- **Unsuitable extinguishing media:** Avoid a concentrated stream that disperses powder.
- **Fire hazards:** Minimise airborne dust clouds and dust accumulation.
- **Hazardous combustion products:** Carbon oxides and irritating fumes may form in a fire.
- **Protective equipment:** Firefighters should wear appropriate protective equipment and self-contained breathing apparatus.
- **Additional precautions:** Prevent contaminated firefighting water from entering drains.

6. Accidental Release Measures

- **Personal precautions:** Avoid creating or breathing dust.
- **Protective equipment:** Wear safety glasses, gloves and particulate respiratory protection where needed.
- **Environmental precautions:** Prevent bulk powder from entering drains or waterways.
- **Clean-up methods:** Collect with a suitable industrial vacuum or another method that controls dust.
- **Disposal:** Place collected material in a closed, labelled container.

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



7. Handling and Storage

- **Handling:** Avoid dust generation. Provide local exhaust ventilation where powder is transferred.
- **Fire and explosion protection:** Control dust accumulation and ignition sources.
- **Storage:** Keep packaging tightly closed in a cool, dry, well-ventilated area.
- **Conditions to avoid:** Excessive heat, moisture and dust accumulation.
- **Incompatible materials:** Strong oxidising agents.

8. Exposure Controls Personal Protection

Field	Information
Occupational Exposure Limit	No calcium-benzoate-specific limit identified in the reviewed supplier SDS; apply applicable workplace particulate limits
Engineering Controls	General ventilation and local dust extraction
Respiratory Protection	Suitable particulate respirator where ventilation does not adequately control dust
Hand Protection	Protective gloves
Eye Protection	Safety glasses with side protection or goggles
Skin Protection	Suitable work clothing
Hygiene Measures	Wash hands after handling
Environmental Controls	Prevent uncontrolled bulk releases

9. Physical and Chemical Properties

Property	Value
Appearance	White to off-white micronised powder
Physical State	Solid
Odour	Odourless or nearly odourless
Molecular Formula	$C_{14}H_{10}CaO_4$, anhydrous basis
Molecular Weight	282.31 g/mol, anhydrous basis
Melting Point	>310°C; published reference value for calcium benzoate hydrate
Boiling Point	Not applicable as a practical handling parameter
Flash Point	Not established
Flammability	Not established for the supplied micronised grade
Vapour Pressure at 20°C	No reliable value available
Density at 20°C	No reliable grade-specific value available
Bulk Density	0.40–0.65 g/cm ³ , from the supplied TDS
Water Solubility	Sparingly soluble
Solubility in Organic Solvents	No reliable grade-specific value available
Auto-Ignition Temperature	No reliable value available
Decomposition Temperature	No reliable grade-specific value available
Explosive Properties	Dust explosibility has not been established for the supplied grade
Oxidising Properties	Not classified as oxidising

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



10. Stability and Reactivity

- **Reactivity:** No hazardous reaction expected under normal dry storage.
- **Chemical stability:** Stable under normal storage conditions.
- **Possibility of hazardous reactions:** None known under normal handling.
- **Conditions to avoid:** Excessive heat and uncontrolled dust generation.
- **Incompatible materials:** Strong oxidising agents.
- **Hazardous decomposition products:** Carbon oxides and irritating fumes may form during severe heating or fire.

11. Toxicological Information

Toxicological Endpoint	Information
Acute Oral Toxicity	No GHS acute-toxicity classification established on available information
Acute Dermal Toxicity	No classification established
Acute Inhalation Toxicity	Airborne powder may cause mechanical irritation
Skin Corrosion or Irritation	Powder may cause temporary mechanical irritation
Serious Eye Damage or Irritation	Powder may cause temporary mechanical irritation
Respiratory Sensitisation	No classification established
Skin Sensitisation	No classification established
Germ Cell Mutagenicity	No classification established
Carcinogenicity	No classification established
Reproductive Toxicity	No classification established
STOT Single Exposure	Dust may cause temporary respiratory discomfort
STOT Repeated Exposure	No classification established
Aspiration Hazard	Not applicable to a solid powder

12. Ecological Information

Endpoint	Information
Aquatic Hazard	Not classified as environmentally hazardous on available substance information
Persistence and Degradability	No complete product-specific information available
Bioaccumulative Potential	No complete product-specific information available
Mobility in Soil	No complete product-specific information available
PBT and vPvB Assessment	No grade-specific assessment provided
Other Adverse Effects	Avoid uncontrolled bulk release

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



13. Disposal Considerations

- Dispose of powder according to applicable local requirements.
- Do not discharge bulk material into drains or waterways.
- Empty packaging before recycling or disposal where permitted.
- Determine waste classification from the material's condition and contamination.

14. Transport Information

Mode	Classification
ADR/RID	Not regulated as dangerous goods
IMDG	Not regulated as dangerous goods
ICAO/IATA	Not regulated as dangerous goods
DOT	Not regulated as dangerous goods on available substance information

Transport Field	Information
UN Number	Not assigned
UN Proper Shipping Name	Not applicable
Transport Hazard Class	Not applicable
Packing Group	Not applicable
Environmental Hazard	Not classified as a marine pollutant for transport
Special Precautions	Protect packaging from damage and moisture

15. Regulatory Information

- **CAS Number:** 2090-05-3
- **EC Number:** 218-235-4
- **GHS classification used in this document:** Not classified as hazardous on available substance information.
- This SDS does not constitute a food-contact declaration for the supplied micronised grade.

16. Other Information

- **Product:** Calcium Benzoate Micronised
- **Chemical Name:** Calcium benzoate
- **CAS Number:** 2090-05-3
- **SDS Version:** 1.1
- **Date of Preparation:** September 2026
- **Reason for Revision:** Added the published melting-point reference to Sections 9 of the SDS and Typical Physical Properties of the TDS.

Polymer Add (Thailand) Co.,Ltd.

Office - 106, Chalarempriakiat, Lor 9, Soi 22, Yak 5, Nongbon, Prawet, Bangkok, Thailand 10250

Factory - 188/3, Moo 8, Tambon Bangpu Mai, Amphoe Muang Samut Prakan, Samutprakan, Thailand 10280

Mobile - Thai : 0804531391, English: 0839415475, E-mail – contact@polymeradd.co.th



Hazard statement definition: No GHS hazard statement assigned.

Disclaimer

This SDS provides information for safe industrial handling, storage and transportation of calcium benzoate powder. It is not a Certificate of Analysis. The assay and hydration state must correspond to the material supplied.

Month of Creation: September 2026

Month of Review: September 2028

POLYMERADD